



BSI Standards Publication

Optical amplifiers — Test methods

Part 1-1: Power and gain parameters — Optical spectrum analyzer method

National foreword

This British Standard is the UK implementation of EN IEC 61290-1-1:2020. It is identical to IEC 61290-1-1:2020. It supersedes BS EN 61290-1-1:2015, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee GEL/86/3, Fibre optic systems and active devices.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Amendments/corrigenda issued since publication

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English Version

Optical amplifiers - Test methods - Part 1-1: Power and gain
parameters - Optical spectrum analyzer method
(IEC 61290-1-1:2020)

Amplificateurs optiques - Méthodes d'essai - Partie 1-1:
Paramètres de puissance et de gain - Méthode de
l'analyseur de spectre optique
(IEC 61290-1-1:2020)

Prüfverfahren für Lichtwellenleiter-Verstärker - Teil 1-1:
Optische Leistungs- und Verstärkungsparameter -
Verfahren mit optischem Spektralanalysator
(IEC 61290-1-1:2020)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 86C/1673(F)/FDIS, future edition 4 of IEC 61290-1-1, prepared by SC 86C "Fibre optic systems and active devices" of IEC/TC 86 "Fibre optics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61290-1-1:2020.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2021-07-08 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2023-10-08 document have to be withdrawn

This document supersedes EN 61290-1-1:2015 and all of its amendments and corrigenda (if any).

This document is to be used in conjunction with EN 61290-1 and EN IEC 61291-1.

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IEC 61290-10 series NOTE Harmonized as EN 61290-10 series

Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60793-2-50	-	Optical fibres - Part 2-50: Product specifications - Sectional specification for class B single-mode fibres	EN IEC 60793-2-50	-
IEC 61290-1	-	Optical amplifiers - Test methods - Part 1: Power and gain parameters	EN 61290-1	-
IEC 61291-1	-	Optical amplifiers - Part 1: Generic specification	EN IEC 61291-1	-

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

OPTICAL AMPLIFIERS – TEST METHODS –**Part 1-1: Power and gain parameters –
Optical spectrum analyzer method****FOREWORD**

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International Standard IEC 61290-1-1 has been prepared by subcommittee 86C: Fibre optic systems and active devices, of IEC technical committee 86: Fibre optics.

This fourth edition cancels and replaces the third edition published in 2015 and constitutes a technical revision.

This edition includes the following significant technical change with respect to the previous edition: addition of techniques to test gain ripple of SOAs.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
86C/1673/FDIS	86C/1687/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.